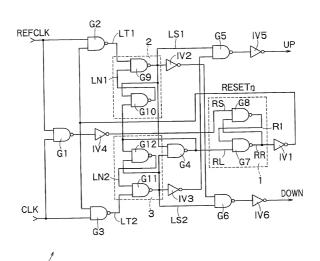
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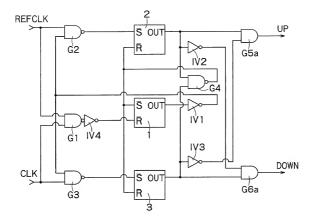
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10: PHASE DETECTOR

FIG. 1

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F I G. 2

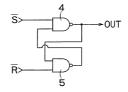


FIG. 3



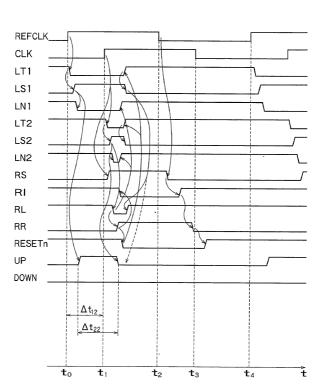


FIG. 4

-



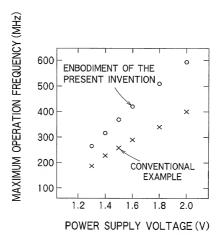
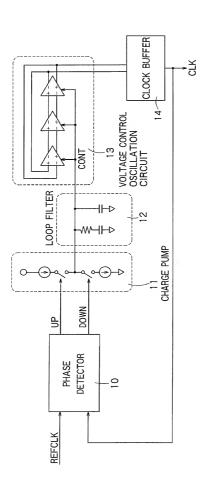


FIG. 5

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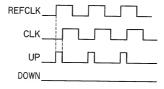


FIG. 7A

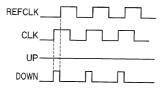


FIG. 7B

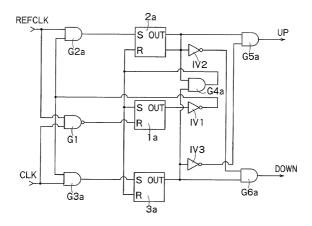


FIG. 8

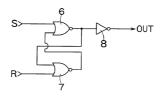


FIG. 9

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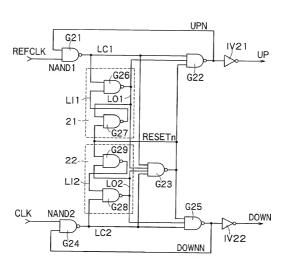


FIG. 10

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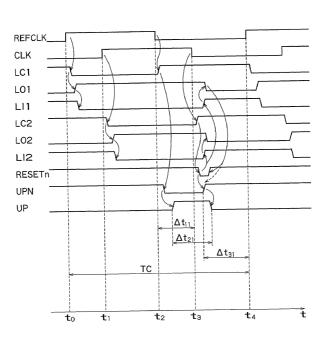


FIG. 11